



National Weather Service

Storm Data and Unusual Weather Phenomena



March 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

LAKE MICHIGAN

LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Kenosha	30	1720CST			0	0		Marine Tstm Wind (MG52)
LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Kenosha	30	1745CST			0	0		Marine Tstm Wind (MG37)
LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Kenosha	30	1810CST			0	0		Marine Tstm Wind (MG59)
LMZ645	North Pt Lt To Wind Pt Wi							
1 N Wind Point to Wind Point	30	1826CST			0	0		Marine Tstm Wind (EG40)
LMZ646	Wind Pt Lt Wi To Winthrop Hbr II							
Kenosha	30	1955CST			0	0		Marine Tstm Wind (MG41)
LMZ644	Pt Washington To North Pt Lt Wi							
1.4 N North Point Lthous	30	2000CST			0	0		Marine Hail (0.75)
LMZ645	North Pt Lt To Wind Pt Wi							
6 S North Point Lthouse	30	2003CST			0	0		Marine Tstm Wind (EG45)

Clusters or short lines of severe thunderstorms moved out over Lake Michigan, resulting in scattered reports of large hail and powerful downburst straight-line wind gusts. These storms were the 3rd round of severe storms which affected other parts of south-central and southeast Wisconsin during the late morning through early evening hours of March 30th

WISCONSIN, Southeast

Rock County								
9 E Janesville	07	0110CST 0115CST			0	0		Hail(0.75)
WIZ046>047-051>052-056	Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk							
19		0400CST 1400CST			0	0		Winter Storm

A minimal winter storm affected the northern part of Marquette, Green Lake, Fond du Lac, and Sheboygan Counties with 6.0 to 6.5 inches of heavy, wet snow along with some blowing and drifting snow. The northwest corner of Sauk County west of La Valle had accumulations of 6.0 to 8.0 inches. North winds during the winter storm gusted to 20 to 30 mph. Snow began across portions of south-central and southeast Wisconsin by the evening of March 18th continued through mid-afternoon of March 19th. Widespread moderate to heavy snow produced snow rates that exceeded 1 inch per hour at times during the early morning hours of the 19th. Note: the beginning time above reflects the time in which the first 6 inch snowfall totals were documented. This minimal winter storm was the result of a slow moving, moisture laden low pressure which developed in the Plains, tracked across Iowa, and pushed into central Illinois by the morning of March 19th

Lafayette County							
5 W Darlington	30	1235CST		0	0		Hail(0.75)
Lafayette County							
Darlington	30	1250CST		0	0		Hail(1.25)
		Ground covered white. Roads had to be plowed.					
Iowa County							
3 SE Mineral Pt	30	1255CST		0	0		Hail(1.25)
Lafayette County							
9 NNE Darlington	30	1256CST		0	0		Hail(1.00)
Iowa County							
Waldwick to	30	1300CST		0	0		Hail(1.25)
3 NE Hollandale		1318CST					



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<u>WISCONSIN, Southeast</u>									
Iowa County									
2 SE Ridgeway to Barneveld	30	1315CST 1318CST			0	0			Hail(0.75)
Dane County									
Mazomanie	30	1331CST			0	0			Hail(0.75)
Dane County									
5 W Middleton	30	1335CST			0	0			Hail(0.88)
Dane County									
3.5 W Waunakee to Waunakee	30	1355CST 1400CST			0	0			Hail(0.75)
Ground covered white.									
Dane County									
3 N Sun Prairie	30	1403CST			0	0			Hail(1.25)
Dane County									
.5 S Madison to 5 W Madison	30	1405CST			0	0			Hail(1.25)
Dane County									
1.6 E Waunakee to 1.8 E Waunakee	30	1410CST 1411CST	0.2	50	0	0	2K		Tornado (F0)
A weak F0 tornado spun up east of Waunakee on a seed farm on the north side of State Highway 19. It slightly damaged the corner overhang of a storage shed, blew a wagon and plastic crates into a field, and rotated a heavy forklift while the operator was sitting in it. The winds were estimated at 56 to 61 knots (65 to 70 mph).									
Dane County									
De Forest	30	1420CST			0	0			Funnel Cloud
Dane County									
.2 SE Waunakee	30	1420CST			0	0			Hail(0.75)
Green County									
4 SW Monroe to Jordan	30	1425CST 1435CST			0	0	5K		Thunderstorm Wind (EG56)
Large trees and road signs were damaged.									
Dane County									
4 SSE Madison	30	1435CST			0	0			Hail(1.50)
Columbia County									
5 S Doylestown	30	1441CST			0	0			Funnel Cloud
Dane County									
2 N Sun Prairie	30	1452CST			0	0			Hail(1.25)
Dodge County									
2 SSE Randolph	30	1456CST			0	0			Funnel Cloud
Dodge County									
2 N Randolph	30	1459CST			0	0			Hail(1.00)
Dane County									
Windsor	30	1500CST			0	0			Hail(1.50)
Green County									
2 SW Brodhead	30	1500CST			0	0	2K		Thunderstorm Wind (EG52)
Large trees and road signs were damaged.									
Dodge County									
2 SE Randolph	30	1505CST			0	0			Hail(1.25)
Dodge County									
5 W Beaver Dam	30	1524CST			0	0			Funnel Cloud



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<u>WISCONSIN, Southeast</u>									
Columbia County 7 N Columbus	30	1530CST			0	0			Hail(0.75)
Green County 2 NW Dayton	30	1600CST			0	0	0.50K		Thunderstorm Wind (EG52)
Large trees and a road sign were damaged.									
Dane County .5 E Madison to 4 NNW Cottage Grove	30	1605CST 1608CST			0	0			Thunderstorm Wind (MG52)
Dane County 1 N Sun Prairie	30	1616CST			0	0			Hail(0.88)
Dane County 1.6 SW East Bristol	30	1622CST			0	0	150K		Thunderstorm Wind (EG61)
Two barns damaged.									
Columbia County Portage	30	1624CST			0	0			Thunderstorm Wind (EG52)
Jefferson County Ft Atkinson to 5 NNE Johnson Creek	30	1625CST 1635CST			0	0	15K		Thunderstorm Wind (EG56)
A large tree was blown on to a home in Ft. Atkinson. On I-94 near Johnson Creek, a semi-tractor and road sign were blown over. Otherwise large trees through this area were blown over.									
Jefferson County Waterloo	30	1640CST			0	0			Hail(0.88)
Washington County 4 SW Kewaskum	30	1648CST			0	0			Funnel Cloud
Dodge County 3 E Lowell	30	1649CST			0	0			Funnel Cloud
Dane County 8 S Mt Horeb	30	1653CST			0	0			Hail(0.88)
Washington County 1.2 NW St Lawrence to 1.6 N St Lawrence	30	1705CST 1707CST			0	0	150K		Thunderstorm Wind (EG70)
A gustnado on the leading gust front of a line of severe thunderstorms damaged a shed, a garage, a roof, trees, and two road signs. In addition, a barn imploded, and a storage shed was destroyed. Gustnadoes, a shallow ground-based vortex, are classified as thunderstorm wind events.									
Green County 3.7 NE Albany	30	1812CST			0	0	2K		Thunderstorm Wind (EG56)
Road signs and trees were damaged.									
Kenosha County Kenosha	30	1815CST			0	0	3K		Thunderstorm Wind (EG52)
Billboard and some large trees blown over.									
Walworth County East Troy	30	1920CST			0	0			Hail(0.75)
Waukesha County 3 W Muskego to Muskego	30	1943CST 1950CST			0	0			Hail(1.00)
Milwaukee County West Allis	30	1945CST			0	0			Hail(0.75)



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WISCONSIN, Southeast

Racine County

7 NNE Union Grove	30	1945CST			0	0	50K	Thunderstorm Wind (EG60)
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Portions of a roof were found on a road. Powerlines down.

Milwaukee County

Milwaukee	30	1956CST			0	0		Hail(0.75)
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Located on the UW-Milwaukee campus.

Milwaukee County

(Mke)Mitchell Apt Mi	30	2000CST			0	0		Thunderstorm Wind (MG50)
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Located at Milwaukee General Mitchell International Airport

Milwaukee County

3.5 N Wauwatosa	30	2003CST			0	0		Hail(0.75)
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Milwaukee County

3.5 N Wauwatosa	30	2003CST			0	0		Hail(0.75)
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An unusually early-season severe weather outbreak (first of the season), consisting of 3 rounds of widespread, severe storms, affected south-central and southeast Wisconsin on March 30, 2005. One brief tornado was documented, and there were numerous reports of large hail and damaging, straight-line, downburst, thunderstorm winds. Most of the larger hailstones consisted of clumps of soft hail of various sizes. The responsible surface low-pressure system developed in the Plains during the morning hours, and moved to northwest Wisconsin by the late evening hours. Meanwhile, an associated surface warm front surged north into central Wisconsin during the morning hours, bringing unseasonably warm air into the area. Maximum afternoon temperatures ranged from the upper 60s to mid 70s inland from Lake Michigan, with the highest reading of 77 in Janesville and 9NW Beloit.

As instability increased during the morning, isolated thunderstorms developed across eastern part of the state of Iowa. These storms grew more intense and moved into south-central and southwest Wisconsin. The first round of severe thunderstorms occurred as an elongated supercell crossed the Illinois/Wisconsin border and into Lafayette and Iowa counties between 1130 and 1220CST. This storm produced .75 to 1.50 inch diameter hail before moving into Dane county where it split into two supercells. The northern most supercell briefly produced an F0 tornado just east of Waunakee. Both of these storms continued through Columbia, Dodge, and Fond du Lac counties where they produced funnel clouds, wind gusts to 56 knots (65 mph), and .75 to 1.25 inch diameter hail.

As clouds began to decrease in the wake of these supercells, instability increased and scattered thunderstorms re-developed across south-central and southeast Wisconsin during the afternoon. These storms quickly pulsed to severe limits, producing wind gusts generally between 52 and 60 knots (60 to 70 mph) and 3/4 to 1 inch diameter hail. One thunderstorm's gust front produced a gustnado just northwest of St. Lawrence (Washington Co.) with estimated wind gusts to 65 knots (75 mph).

The final round of severe thunderstorms (just ahead of a cold front) developed across northeast Illinois and pushed through southeast Wisconsin between 1700 and 1900CST. These storms produced 3/4 to 1 inch diameter hail, and wind gusts to around 52 knots (60 mph) across portions of Milwaukee, Waukesha, Walworth, Racine, and Kenosha counties. The damaging winds blew over a billboard in Kenosha county and parts of a roof and power lines were found on a roadway in Racine county.